Department of Metallurgy and Materials Engineering
COEP Technological University
(A Unitary public University of Govt. of Maharashtra)
Shivajinagar Pune – 411005, India

020 25507800 **Fax : 020-25507299**

COEP/MET/2025-26/ 824 Date: 22/08/2025

To,
Vendors
List enclosed

Subject: Enquiry for supply of DC Power Source

Dear Sir/Madam,
Please quote for the following item with detailed bifurcation of basic cost, taxes and other charges if any.

Sr. No.	Description of Item (s)	Qty.
1	**DC POWER SOURCE** **(0 to 20Volts / 300A Power Supply for High temperature Electrolysis)** **Specifications:** **1. Input Voltage: 415V, 3Φ, 50 Hz +/- 10%** **2. Output Voltage: 5 to 20Volts** **3. Output current: 0 to 300A** **4. Overload Capacity: 10%** **Operating Modes: Constant Voltage, Constant Current** **(Adjustment by a multiturn potentiometer; resolution in voltage @ 20 mv and Current @ 0.1 A)** **5. Regulation: Line Regulation +/- 1% at full Load** **Load Regulation: +/- 1% at full Load** **6. Output Ripple: < 300mV r.m.s.** **7. Efficiency : > 85% at full Load** **8. Input Power Factor > 0.8** **9. Protections: Input over voltage; Output over voltage.** **Output over current, Short Circuit** **Earth Leakage, Single Phasing** **10.Indications: Presence of input line supply** **Output ON** **Constant Voltage Mode**	01

	Constant current Mode **All protections** **11. Metering: Multifunction Meter at the input** **Output Voltage. 3 ½ digital** **Output Current, 3 ½ digital** **12. Controls: Output Voltage set potentiometer / Digital control** **: Output Current set Potentiometer / Digital control** **13. Terminations: Suitable terminations for continuous operation** **14. Transformer- Primary delta, secondary star and capacity 8 kVA** **(Vendors are hereby informed to declare and use reputed brand of the products /spares)**	

You are requested to quote a competitive rate within 7 days from the date of issue of quotation. Sealed envelope quotation shall superscribe quotation no. and posted to **Dept. of Metallurgy and Materials Engineering, COEP Technological University Pune, Shivajinagar, Pune-5.**

Thanking you

22/08/25 Manisha Kulthe

HOD

Metallurgy and Materials Engineering

COEP Technological University

HOD
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(Formerly College of Engineering Pune)

DRDO... Project

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